

C. Kratz
dp2 7c08



PCT09

RAW SEQUENCE LISTING

DATE: 11/20/2002

PATENT APPLICATION: US/09/868,293A

TIME: 13:00:49

Input Set : A:\1641-102 Sequence listing.TXT

Output Set: N:\CRF4\11202002\I868293A.raw

3 <110> APPLICANT: CHIRON SpA
 5 <120> TITLE OF INVENTION: CHLAMYDIA TRACHOMATIS ANTIGENS
 W--> 0 <130> FILE REFERENCE:
 C--> 7 <140> CURRENT APPLICATION NUMBER: US/09/868,293A
 C--> 8 <141> CURRENT FILING DATE: 2001-06-15
 10 <150> PRIOR APPLICATION NUMBER: GB-9828000.1
 11 <151> PRIOR FILING DATE: 1998-12-18
 13 <160> NUMBER OF SEQ ID NOS: 15
 15 <170> SOFTWARE: SeqWin99, version 1.02
 17 <210> SEQ ID NO: 1
 18 <211> LENGTH: 9
 19 <212> TYPE: PRT
 20 <213> ORGANISM: Chlamydia trachomatis
 22 <400> SEQUENCE: 1
 23 Ser Lys Glu Thr Phe Gln Arg Asn Lys
 24 1 5
 26 <210> SEQ ID NO: 2
 27 <211> LENGTH: 10
 28 <212> TYPE: PRT
 29 <213> ORGANISM: Chlamydia trachomatis
 31 <400> SEQUENCE: 2
 32 Thr Thr Glu Ser Leu Glu Thr Leu Val Glu
 33 1 5 10
 35 <210> SEQ ID NO: 3
 36 <211> LENGTH: 18
 37 <212> TYPE: PRT
 38 <213> ORGANISM: Chlamydia trachomatis
 40 <400> SEQUENCE: 3
 41 Leu Ala Val Ser Ser Gly Asp Gln Glu Val Ser Gln Glu Asp Leu Leu
 42 1 5 10 15
 44 Lys Glu
 47 <210> SEQ ID NO: 4
 48 <211> LENGTH: 12
 49 <212> TYPE: PRT
 50 <213> ORGANISM: Chlamydia trachomatis
 52 <220> FEATURE:
 W--> 53 <221> NAME/KEY: Xaa
 54 <222> LOCATION: 1
 55 <223> OTHER INFORMATION: Xaa is any amino acid
 57 <400> SEQUENCE: 4
 W--> 58 Xaa Pro Ala Gly Asn Pro Ala Phe Pro Val Ile Pro
 59 1 5 10
 61 <210> SEQ ID NO: 5

ENTERED

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62 <211> LENGTH: 10
63 <212> TYPE: PRT
64 <213> ORGANISM: Chlamydia trachomatis
66 <400> SEQUENCE: 5
67 Ala Lys Thr Arg Thr Leu Lys Gly Asp Gly
68 1          5          10
70 <210> SEQ ID NO: 6
71 <211> LENGTH: 11
72 <212> TYPE: PRT
73 <213> ORGANISM: Chlamydia trachomatis
75 <400> SEQUENCE: 6
76 Ser Asp Ser Ser His Asn Leu Leu Tyr Asn Lys
77 1          5          10
79 <210> SEQ ID NO: 7
80 <211> LENGTH: 18
81 <212> TYPE: PRT
82 <213> ORGANISM: Chlamydia trachomatis
84 <400> SEQUENCE: 7
85 Val Leu Leu Tyr Ser Gln Ala Ser Trp Asp Gln Arg Ser Lys Ala Asp
86 1          5          10          15
88 Ala Leu
91 <210> SEQ ID NO: 8
92 <211> LENGTH: 11
93 <212> TYPE: PRT
94 <213> ORGANISM: Chlamydia trachomatis
96 <220> FEATURE:
W--> 97 <221> NAME/KEY: Xaa
98 <222> LOCATION: 8
99 <223> OTHER INFORMATION: Xaa is Ala or Gln
101 <220> FEATURE:
W--> 102 <221> NAME/KEY: Xaa
103 <222> LOCATION: 10
104 <223> OTHER INFORMATION: Xaa is Val or Asp
106 <400> SEQUENCE: 8
W--> 107 Lys Ala Val Tyr Val Gln Asp Xaa Glu Xaa Gln
108 1          5          10
110 <210> SEQ ID NO: 9
111 <211> LENGTH: 9
112 <212> TYPE: PRT
113 <213> ORGANISM: Chlamydia trachomatis
115 <220> FEATURE:
W--> 116 <221> NAME/KEY: Xaa
117 <222> LOCATION: 3
118 <223> OTHER INFORMATION: Xaa is any amino acid
120 <220> FEATURE:
W--> 121 <221> NAME/KEY: Xaa
122 <222> LOCATION: 4
123 <223> OTHER INFORMATION: Xaa is any amino acid
125 <400> SEQUENCE: 9

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Input Set : A:\1641-102 Sequence listing.TXT

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W--> 126 Lys Asp Xaa Xaa Thr Asn Gly Gln Arg
      127 1          5
      129 <210> SEQ ID NO: 10
      130 <211> LENGTH: 10
      131 <212> TYPE: PRT
      132 <213> ORGANISM: Chlamydia trachomatis
      134 <220> FEATURE:
W--> 135 <221> NAME/KEY: Xaa
      136 <222> LOCATION: 8
      137 <223> OTHER INFORMATION: Xaa is any amino acid
      139 <220> FEATURE:
W--> 140 <221> NAME/KEY: Xaa
      141 <222> LOCATION: 10
      142 <223> OTHER INFORMATION: Xaa is Tyr or Gly
      144 <400> SEQUENCE: 10
W--> 145 Met Ser Lys Gly Gly Gln Thr Xaa Asp Xaa
      146 1          5          10
      148 <210> SEQ ID NO: 11
      149 <211> LENGTH: 10
      150 <212> TYPE: PRT
      151 <213> ORGANISM: Chlamydia trachomatis
      153 <220> FEATURE:
W--> 154 <221> NAME/KEY: Xaa
      155 <222> LOCATION: 1
      156 <223> OTHER INFORMATION: Xaa is any amino acid
      158 <220> FEATURE:
W--> 159 <221> NAME/KEY: Xaa
      160 <222> LOCATION: 3
      161 <223> OTHER INFORMATION: Xaa is any amino acid
      163 <400> SEQUENCE: 11
W--> 164 Xaa Gln Xaa Glu Asn Gly Ile Val Gly Leu
      165 1          5          10
      167 <210> SEQ ID NO: 12
      168 <211> LENGTH: 12
      169 <212> TYPE: PRT
      170 <213> ORGANISM: Chlamydia trachomatis
      172 <400> SEQUENCE: 12
      173 Met Pro Ala Gly Asn Pro Ala Phe Pro Val Ile Pro
      174 1          5          10
      176 <210> SEQ ID NO: 13
      177 <211> LENGTH: 10
      178 <212> TYPE: PRT
      179 <213> ORGANISM: Chlamydia trachomatis
      181 <220> FEATURE:
W--> 182 <221> NAME/KEY: Xaa
      183 <222> LOCATION: 3
      184 <223> OTHER INFORMATION: Xaa is Asp or Lys
      186 <220> FEATURE:
W--> 187 <221> NAME/KEY: Xaa

```

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Input Set : A:\1641-102 Sequence listing.TXT

Output Set: N:\CRF4\11202002\I868293A.raw

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188 <222> LOCATION: 6
189 <223> OTHER INFORMATION: Xaa is Lys or Phe
191 <400> SEQUENCE: 13
W--> 192 Val Ala Xaa Asn Ile Xaa Tyr Asn Glu Glu
193 1 5 10
195 <210> SEQ ID NO: 14
196 <211> LENGTH: 5
197 <212> TYPE: PRT
198 <213> ORGANISM: Chlamydia trachomatis
200 <400> SEQUENCE: 14
201 Leu Pro Val Gly Asn
202 1 5
204 <210> SEQ ID NO: 15
205 <211> LENGTH: 8
206 <212> TYPE: PRT
207 <213> ORGANISM: Chlamydia trachomatis
209 <220> FEATURE:
W--> 210 <221> NAME/KEY: Xaa
211 <222> LOCATION: 6
212 <223> OTHER INFORMATION: Xaa is Ser or Ala
214 <220> FEATURE:
W--> 215 <221> NAME/KEY: Xaa
216 <222> LOCATION: 8
217 <223> OTHER INFORMATION: Xaa is Lys or Ser
219 <400> SEQUENCE: 15
W--> 220 Ser Glu Lys Arg Lys Xaa Asn Xaa
221 1 5

```

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 11/20/2002
PATENT APPLICATION: US/09/868,293A TIME: 13:00:50

Input Set : A:\1641-102 Sequence listing.TXT
Output Set: N:\CRF4\11202002\I868293A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:4; Xaa Pos. 1
Seq#:8; Xaa Pos. 8,10
Seq#:9; Xaa Pos. 3,4
Seq#:10; Xaa Pos. 8,10
Seq#:11; Xaa Pos. 1,3
Seq#:13; Xaa Pos. 3,6
Seq#:15; Xaa Pos. 6,8

VERIFICATION SUMMARY

DATE: 11/20/2002

PATENT APPLICATION: US/09/868,293A

TIME: 13:00:50

Input Set : A:\1641-102 Sequence listing.TXT

Output Set: N:\CRF4\11202002\I868293A.raw

L:0 M:201 W: Mandatory field data missing, <130> FILE REFERENCE
L:7 M:270 C: Current Application Number differs, Replaced Current Application Number
L:8 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:53 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:4
L:58 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:97 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:8
L:102 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:8
L:107 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:116 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:9
L:121 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:9
L:126 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:135 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:10
L:140 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:10
L:145 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
L:154 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:11
L:159 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:11
L:164 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
L:182 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:13
L:187 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:13
L:192 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0
L:210 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:15
L:215 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:15
L:220 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0